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EPA CONTRACT 68-WO-0036

MEMORANDUM

TO: Gerald Heston, RPM, EPA Region III — TDD #9401-30
Central Pennsylvania Remedial Section — PCS #5071

THRU: Marian Murphy, TAT Region III MM

FROM: Elayne Lee, TAT Region III E.L.

SUBJECT: Keystone Sanitary Landfill Site Analytical Review

DATE: February 10, 1994

This report covers the analytical review of three (3) water samples collected at the Keystone Sanitary Landfill Site on January 6, 1994. The samples were received at [redacted] in Marlton, NJ, on January 10, 1994, for the analysis of lead and manganese. This report is based on a general review of the data provided.

ANALYTICAL METHODOLOGY

The samples were analyzed for lead according to EPA Method 239.2 and for manganese according to EPA Method 200.7. The QC requested consisted of a matrix spike/matrix spike duplicate, a method blank, calibration data and raw data.

- The signed copy of the chain-of-custody record for the sampling event was returned.
- The samples were analyzed within the technical holding time.
- The method blank was free of contamination.
- The matrix spike/matrix spike duplicate percent recoveries for lead were outside the acceptable range. Therefore, the value reported for lead in the tank in tap sample should be considered approximate. The relative percent difference values were within the acceptable limit.

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- The calculations were acceptable.

- The correlation coefficient for lead was acceptable and the rest of the calibration data was acceptable.

CONCLUSION

Accept the data as presented with the following exception: the quantities reported for lead in the tank in tap sample should be considered approximate because the matrix spike/matrix spike duplicate percent recoveries were outside the acceptable range.

EL/mr